

Abstract Submitted
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The Cherenkov Telescope Array: A Very-High-Energy Complement to Future High-Energy Space Missions¹ DAVID A. WILLIAMS, Univ of California-Santa Cruz, CTA COLLABORATION — The Cherenkov Telescope Array (CTA) will be a new observatory for the study of very-high-energy gamma-ray sources, designed to achieve an order of magnitude improvement in sensitivity in the ~ 30 GeV to ~ 100 TeV energy band compared to currently operating instruments: VERITAS, MAGIC, and H.E.S.S. CTA will probe known sources with unprecedented sensitivity, angular resolution, and spectral coverage, while also detecting hundreds of new sources. CTA will provide access to data in this energy band to members of the wider astronomical community for the first time. The CTA Consortium will also conduct a number of Key Science Projects, including a Galactic Plane survey and a survey of one quarter of the extragalactic sky, creating legacy data sets that will also be available to the public. This presentation will highlight synergies between CTA and future high-energy missions in space.

¹CTA is supported by the organizations listed at <http://www.cta-observatory.org>

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